

LISTING OF CLAIMS

1. (Currently Amended) A method comprising:

receiving a video information stream including color information formatted according to a first color space sampling format having a pre-determined number of bits;

splitting the color information into a base information stream formatted according to a second color space sampling format having less than the pre-determined number of bits and into an enhanced information stream, wherein the enhanced information stream is selectively encoded using spatial information obtained from processing of the base information stream or using a previous reference obtained during processing of the enhanced information stream; and

providing an indicator with at least one of the base information stream and the enhanced information stream that indicates a capability for providing video information according to the first color space sampling format or the second color space sampling format.

2. (Canceled)

3. (Canceled)

4. (Original) The method of claim 1, further comprising encoding the base information stream into a base encoded bit stream, encoding the enhanced information stream into an enhanced encoded bit stream, and combining the base encoded bit stream and the enhanced encoded bit stream into an output bit stream.

1 5. (Original) The method of claim 4, wherein the output bit stream
2 comprises an interleaved stream of the enhanced encoded bit stream and the base
3 encoded bit stream.

4 6. (Original) The method of claim 4, wherein the output bit stream
5 comprises a concatenated stream of the enhanced encoded bit stream and the base
6 encoded bit stream.

7 7. (Original) The method of claim 6, wherein the enhanced encoded bit
8 stream follows the base encoded bit stream.

9 8. (Original) The method of claim 4, wherein the output bit stream
10 comprises a first file for the enhanced encoded bit stream and a second file for the
11 base encoded bit stream.

12 9. (Original) The method of claim 1, wherein the color information
13 includes chrominance blocks.

14 10. (Original) The method of claim 1, wherein the first color space
15 sampling format comprises a YUV422 format and the second color space
16 sampling format comprises a YUV420 format.

1 11. (Currently Amended) A computer-readable medium having
2 computer-executable instructions, the instructions comprising:

3 converting a first multimedia format into a base stream and an enhanced
4 stream, the base stream corresponding to another multimedia format and the
5 enhanced stream including information that when combined with the base stream
6 re-constructs the first multimedia format, wherein the enhanced stream is
7 selectively encoded using spatial information obtained from processing of the base
8 stream or using a previous reference obtained during processing of the enhanced
9 stream.

10 12. (Original) The computer-readable medium of claim 11, wherein the
11 multimedia format comprises an encoded video format.

12 13. (Original) The computer-readable medium of claim 11, wherein
13 converting the first multimedia format into the base stream and the enhanced
14 stream comprises storing chrominance blocks associated with the other
15 multimedia format in the base stream and storing the chrominance blocks that are
16 not associated with the other multimedia format in the enhanced stream.

17 14. (Original) The method of claim 11, further comprising encoding the
18 base stream into a base encoded bit stream, encoding the enhanced stream into an
19 enhanced encoded bit stream, and combining the base encoded bit stream and the
20 enhanced encoded bit stream into an output bit stream.

21 15. (Original) The method of claim 14, wherein the output bit stream
22 comprises an interleaved stream of the enhanced encoded bit stream and the base
23 encoded bit stream.
24
25

1 **16.** (Original) The method of claim 14, wherein the output bit stream
2 comprises a concatenated stream of the enhanced encoded bit stream and the base
3 encoded bit stream.

4 **17.** (Original) The method of claim 16, wherein the enhanced encoded
5 bit stream follows the base encoded bit stream.

6 **18.** (Original) The method of claim 14, wherein the output bit stream
7 comprises a first file for the enhanced encoded bit stream and a second file for the
8 base encoded bit stream.

1 **19.** (Currently Amended) A device comprising:
2 a base encoder for encoding a base information stream formatted according
3 to a first color space sampling format; and
4 an enhanced encoder for encoding an enhanced information stream that
5 contains color space information unavailable in the first color space sampling
6 format, wherein the enhanced encoder selectively encodes the enhanced
7 information stream using spatial information obtained from processing of the base
8 information stream or using a previous reference obtained during processing of the
9 enhanced information stream.

10 **20.** (Canceled)

11 **21.** (Original) The device of claim 19, further comprising an output
12 stream formulator that combines the encoded enhanced information stream and the
13 encoded base information stream into an output stream.

14 **22.** (Original) The device of claim 21, wherein the output stream
15 comprises the encoded enhanced information stream interleaved with the encoded
16 base information stream.

17 **23.** (Original) The device of claim 21, wherein the output stream
18 comprises the encoded enhanced information stream concatenated to the encoded
19 base information stream.

20 **24.** (Original) The device of claim 21, wherein the output stream
21 comprises a first file containing the encoded enhanced information stream and a
22 second file containing the encoded base information stream.

23 **25.** (Original) The device of claim 24, wherein device comprises a
24 digital video camera.
25

1 **26.** (Currently Amended) A device comprising:

2 a base decoder for decoding an encoded base bit stream associated with a
3 first color space sampling format; and

4 an enhanced decoder for decoding an encoded enhanced bit stream that
5 contains color space information unavailable in the first color space sampling
6 format wherein the enhanced decoder selectively decodes the enhanced
7 information stream using spatial information obtained from processing of the base
8 information stream or using a previous reference obtained during processing of the
9 enhanced information stream.

10 **27.** (Canceled)

11 **28.** (Original) The device of claim 26, further comprising a compositor
12 for generating a second color space sampling format from the encoded enhanced
13 bit stream and the encoded base bit stream.

14 **29.** (Original) The device of claim 26, wherein the device comprises a
15 set-top box.

1 **30.** (Currently Amended) A device comprising:
2 an input for receiving video information;
3 a circuit for formatting part of the video information according to a color
4 space sampling format and formatting another part of the video information
5 according to another format, wherein the other format is selectively encoded using
6 spatial information obtained from processing of the part of the video information
7 or using a previous reference obtained during processing of the other part; and
8 a circuit for storing the part of the video information and the other part of
9 the video information.

10 **31.** (Original) The device of claim 30, wherein the circuit for formatting
11 comprises a programmable circuit.

12 **32.** (Original) The device of claim 30, wherein the circuit for storing
13 comprises a programmable circuit.

14 **33.** (Original) The device of claim 30, wherein the input comprises a
15 sensor.

16 **34.** (Original) The device of claim 30, wherein the input comprises at
17 least one CCD array.